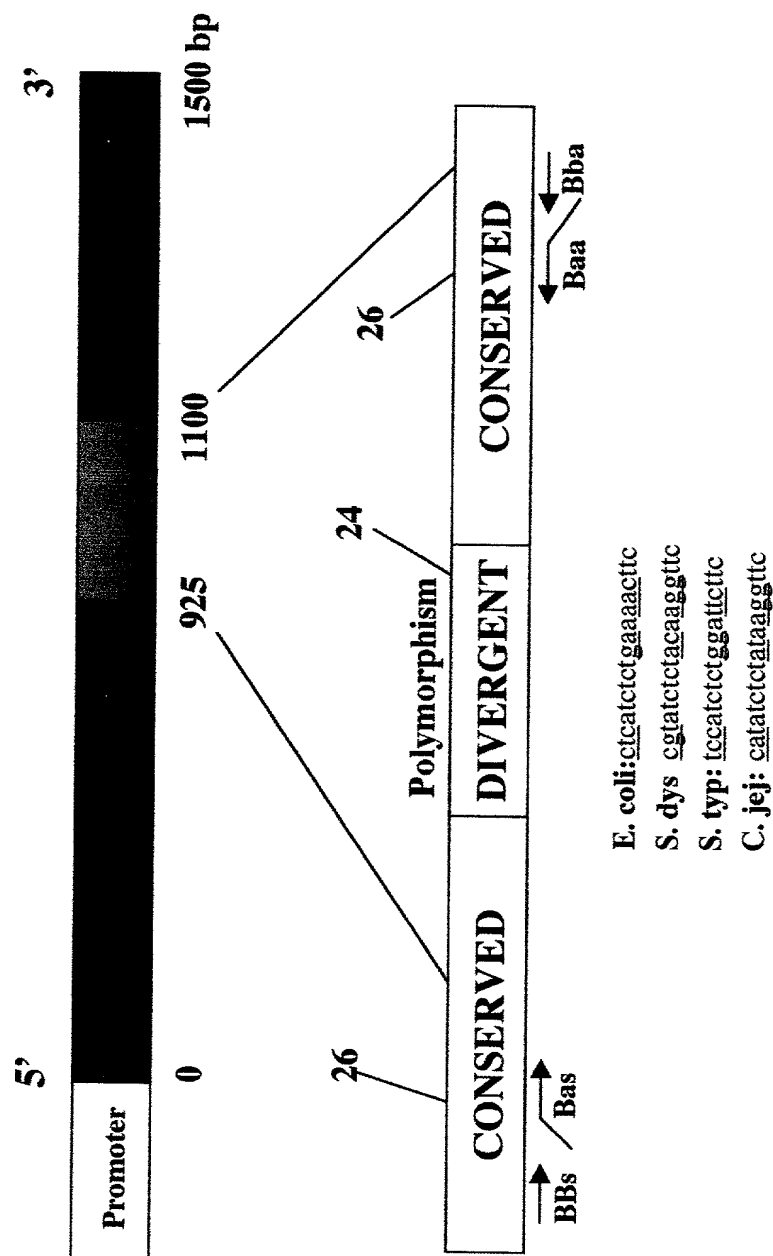


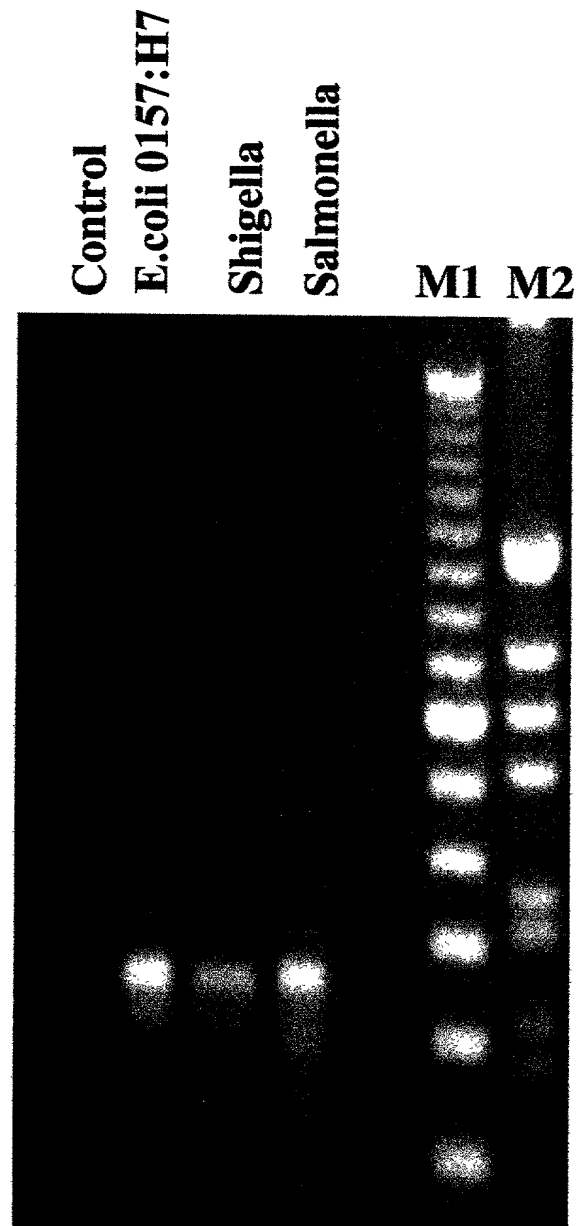
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FIGURE 2A



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## FIGURE 2B



T0600T" 58942660

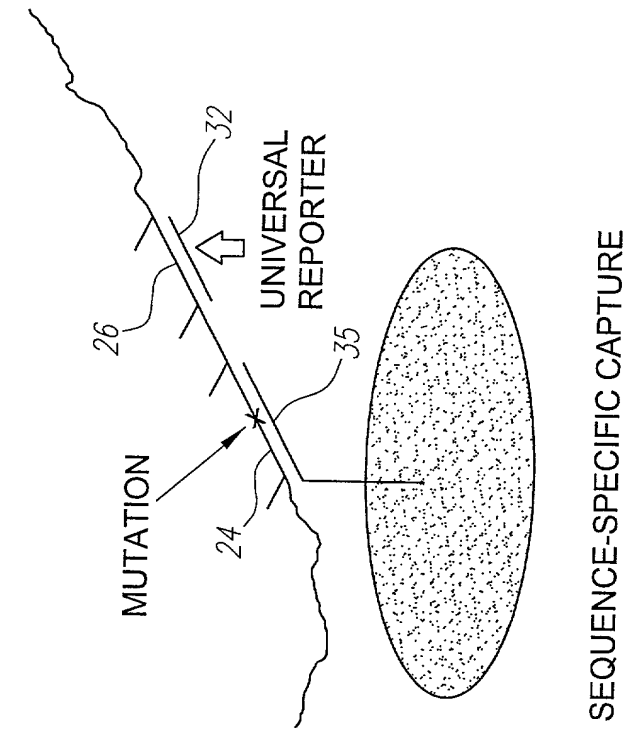


FIG. 2D

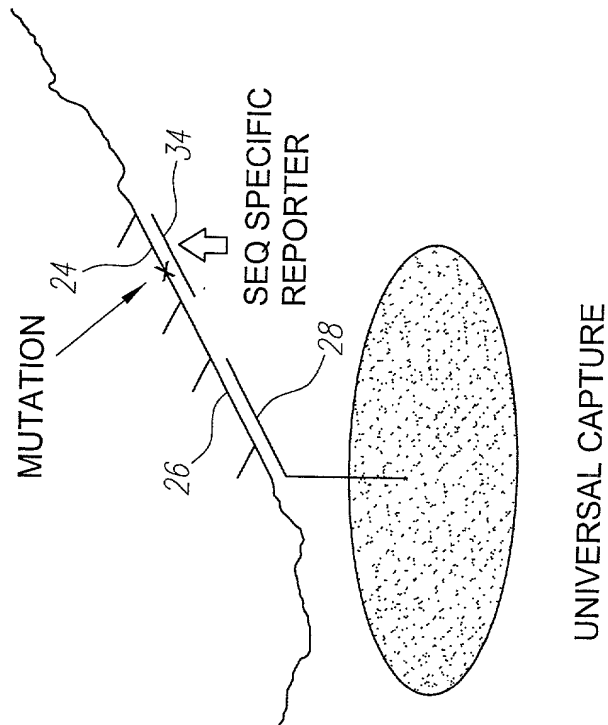
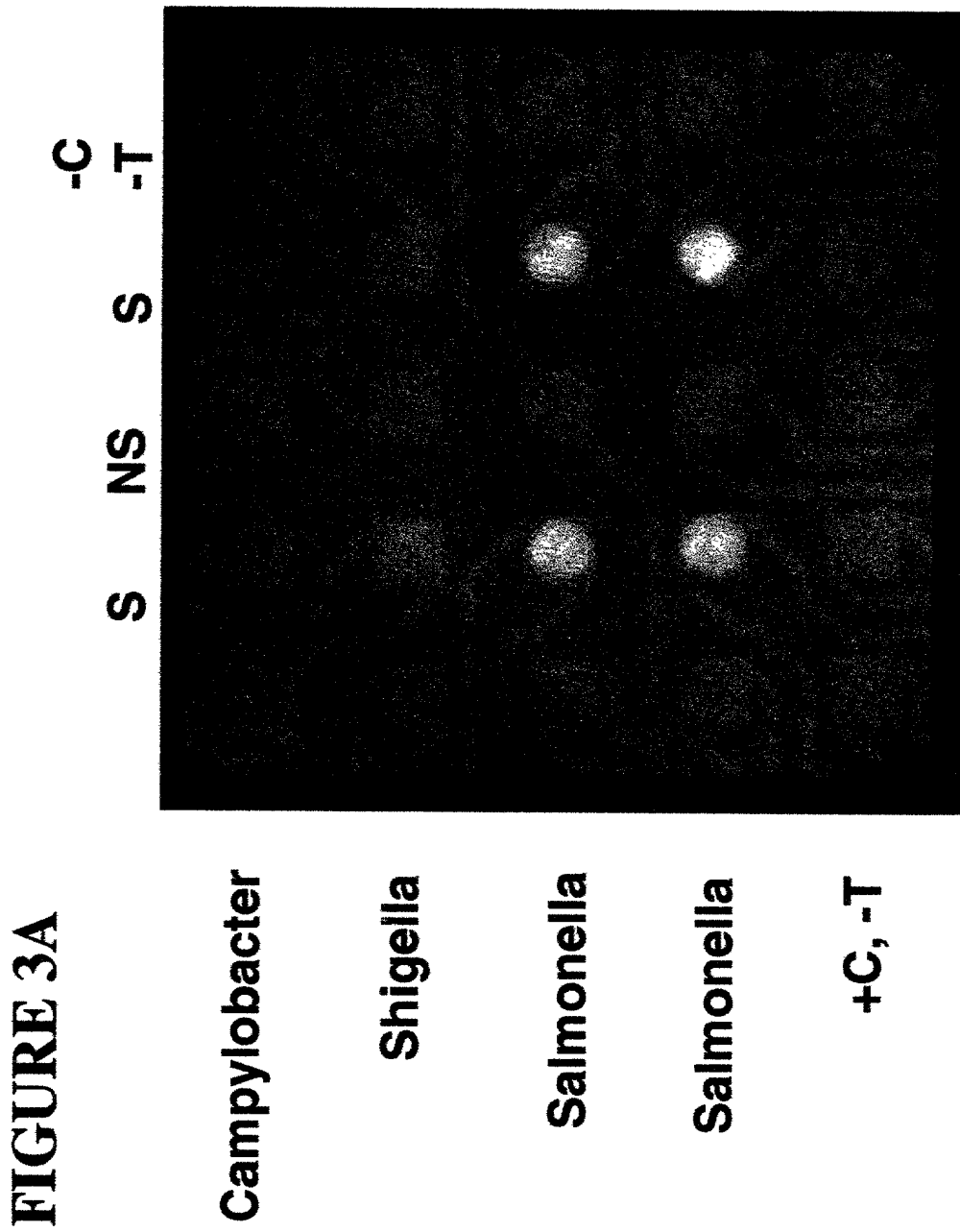


FIG. 2C

T0600T" 5894/660

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FOOT-58942660

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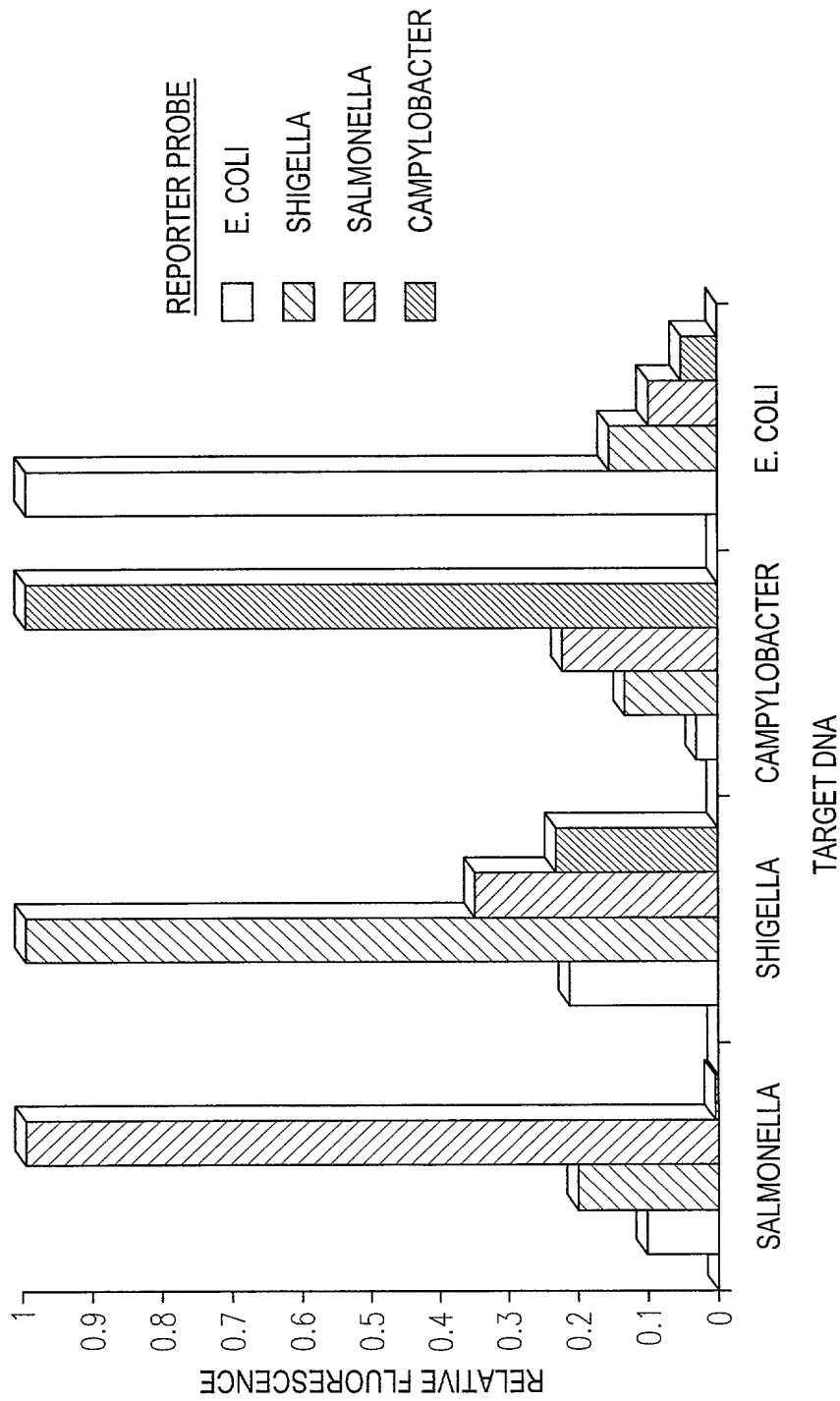


FIG. 3B

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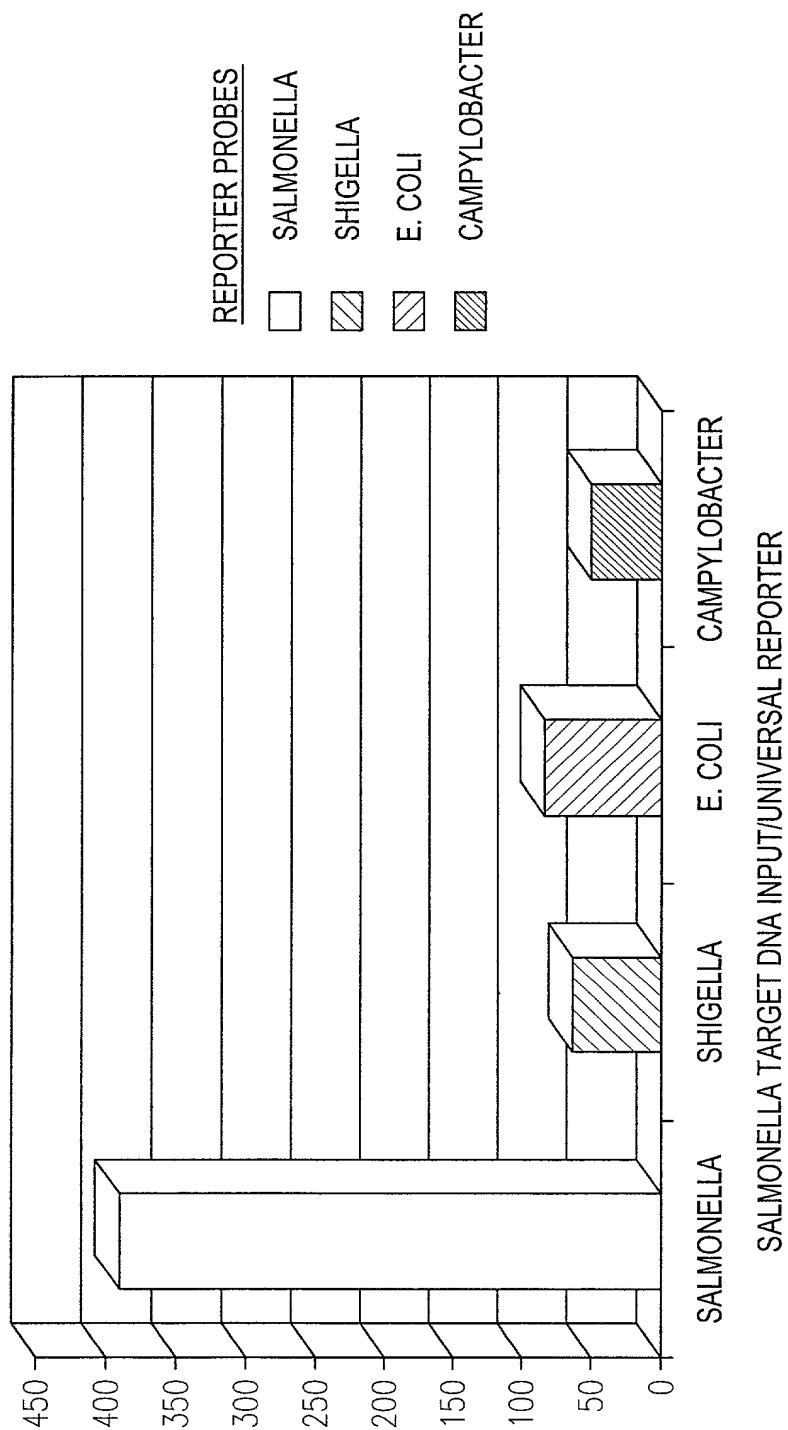
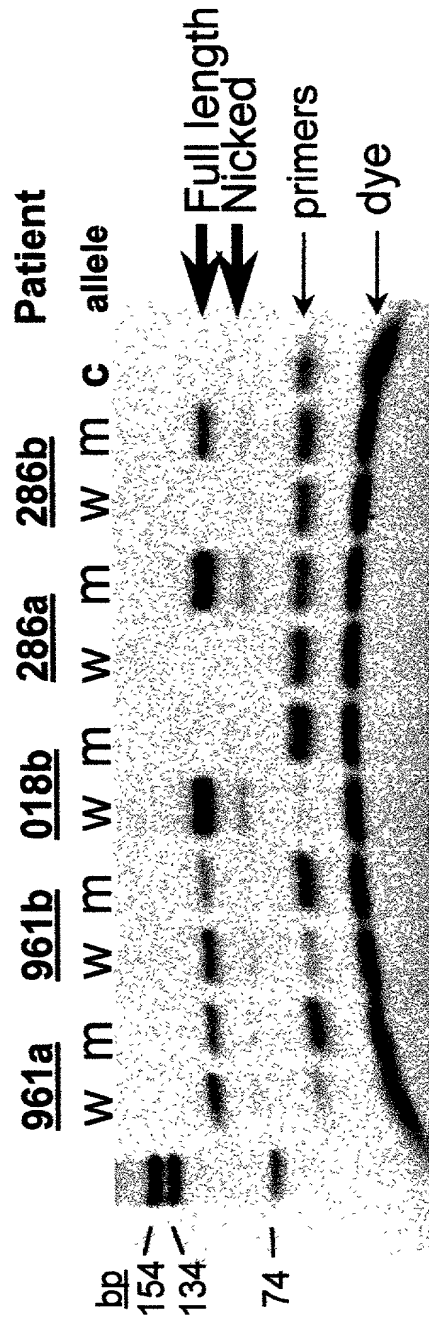


FIG. 3C

FIGURE 4A





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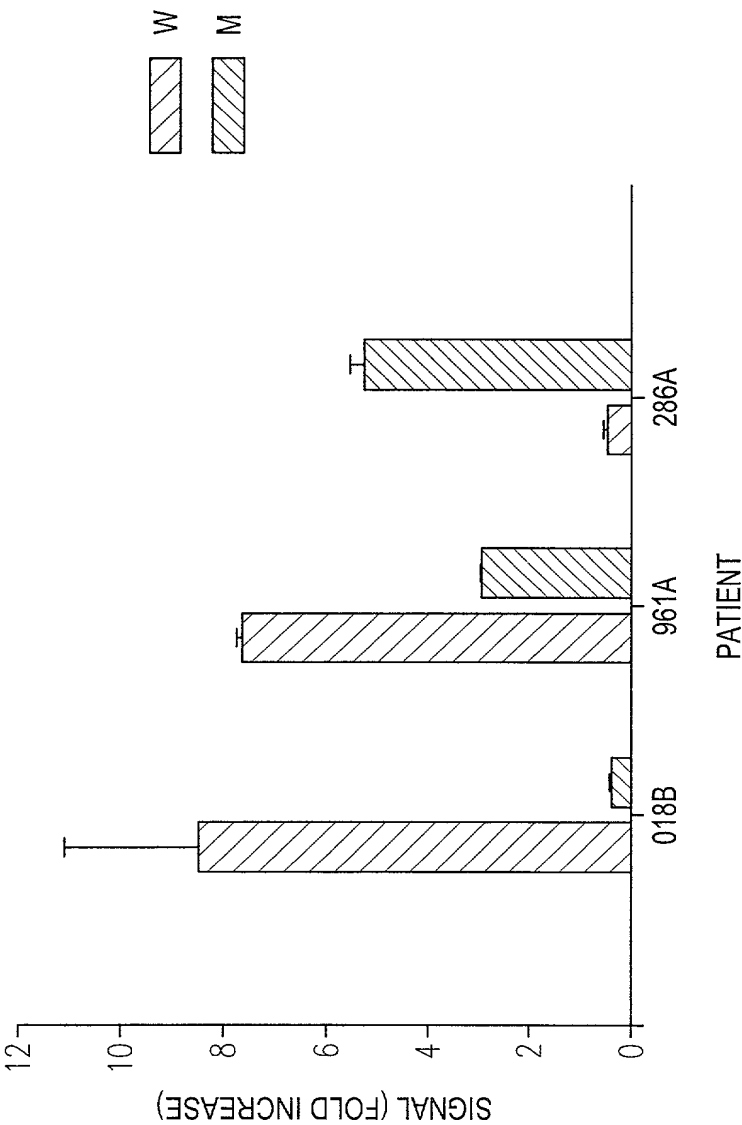


FIG. 4B

FIG. 4B

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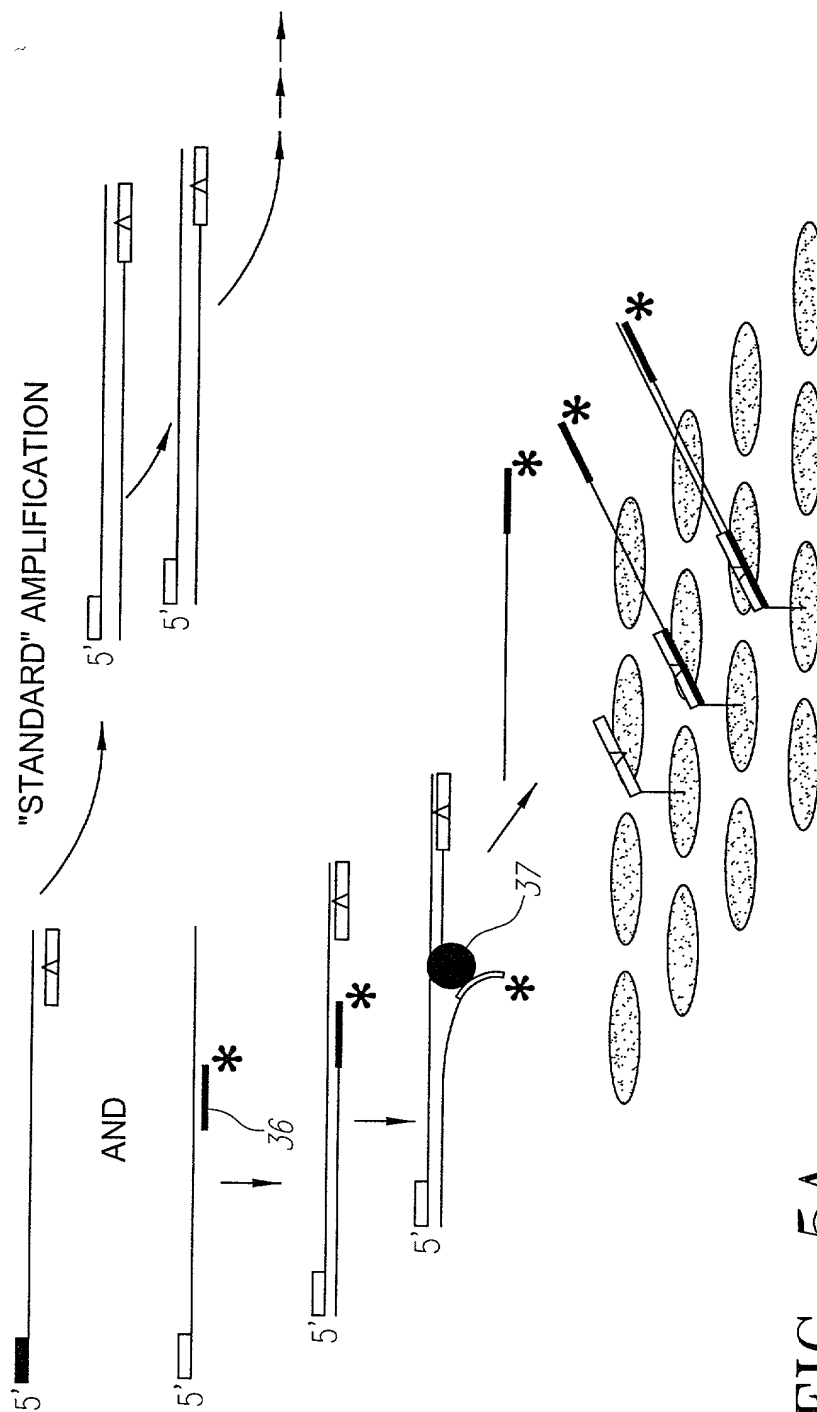


FIG. 5A

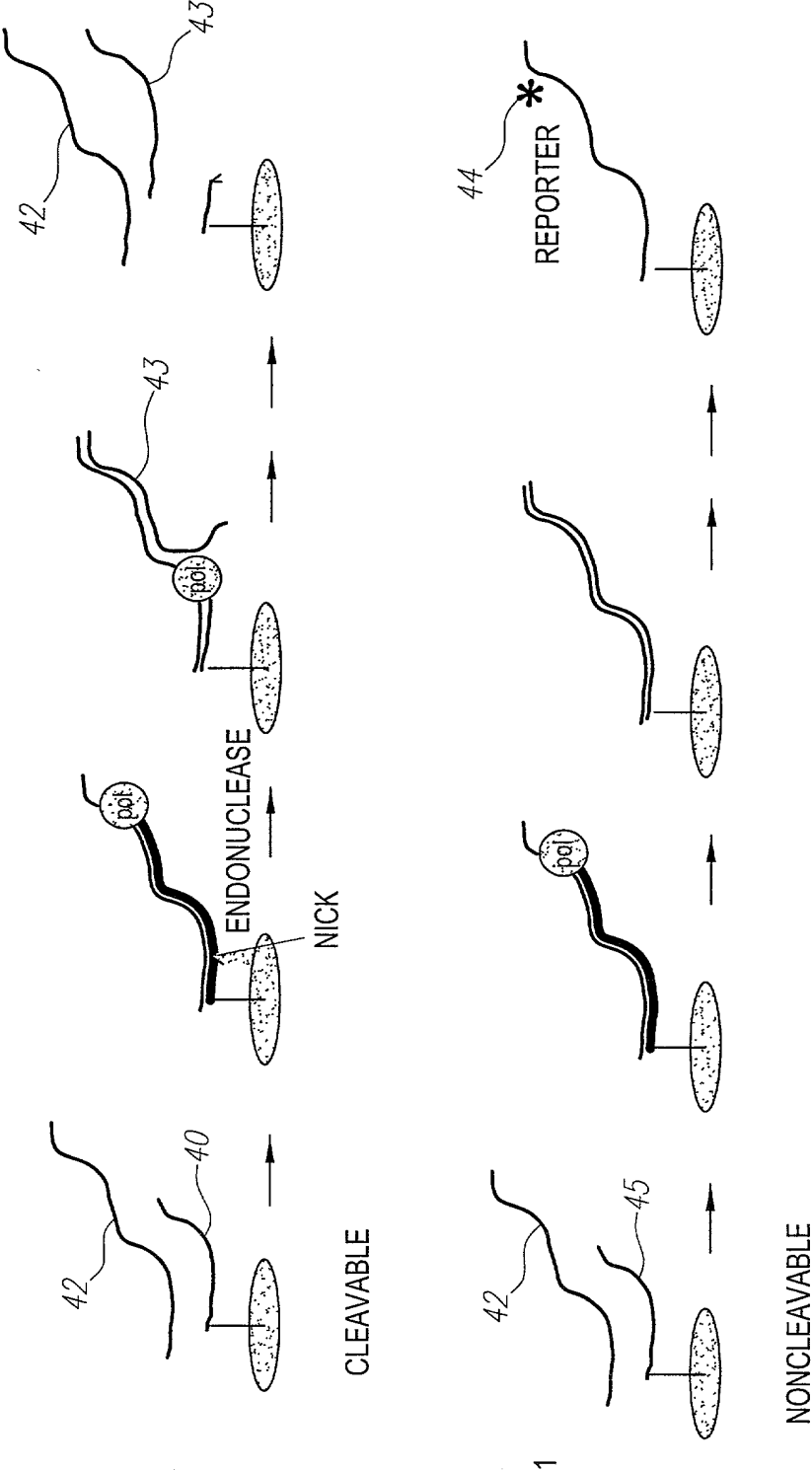
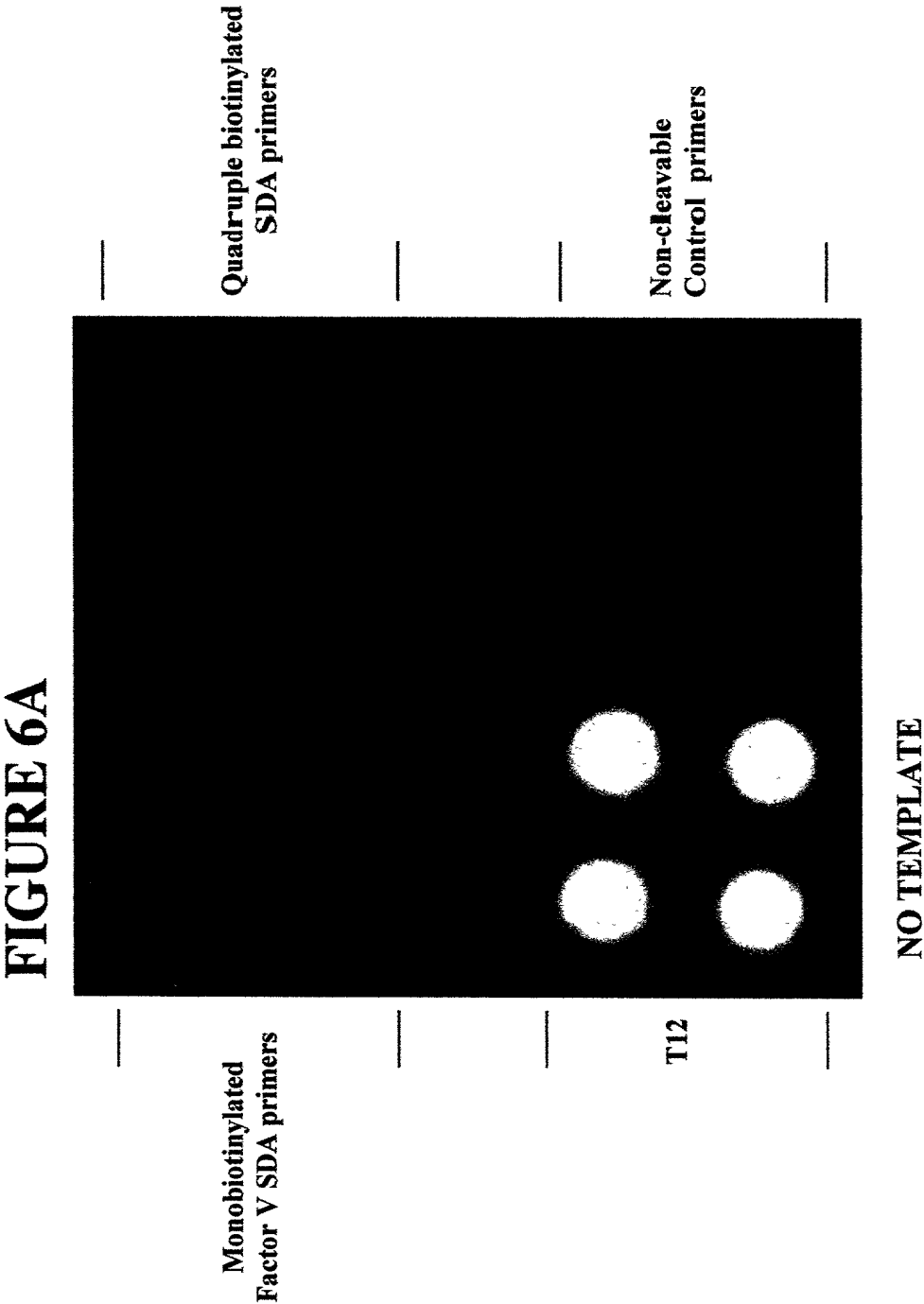
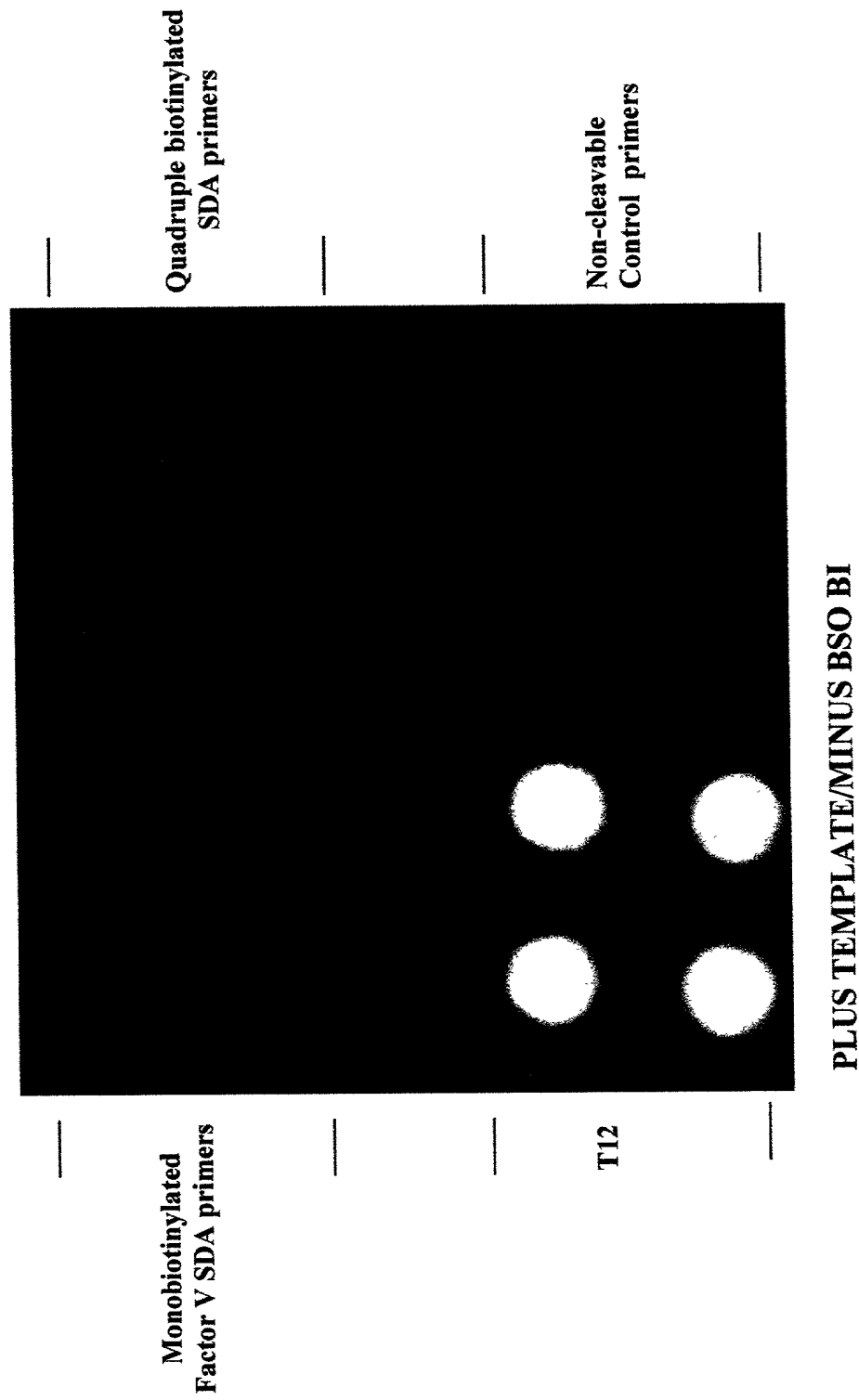


FIG. 5B

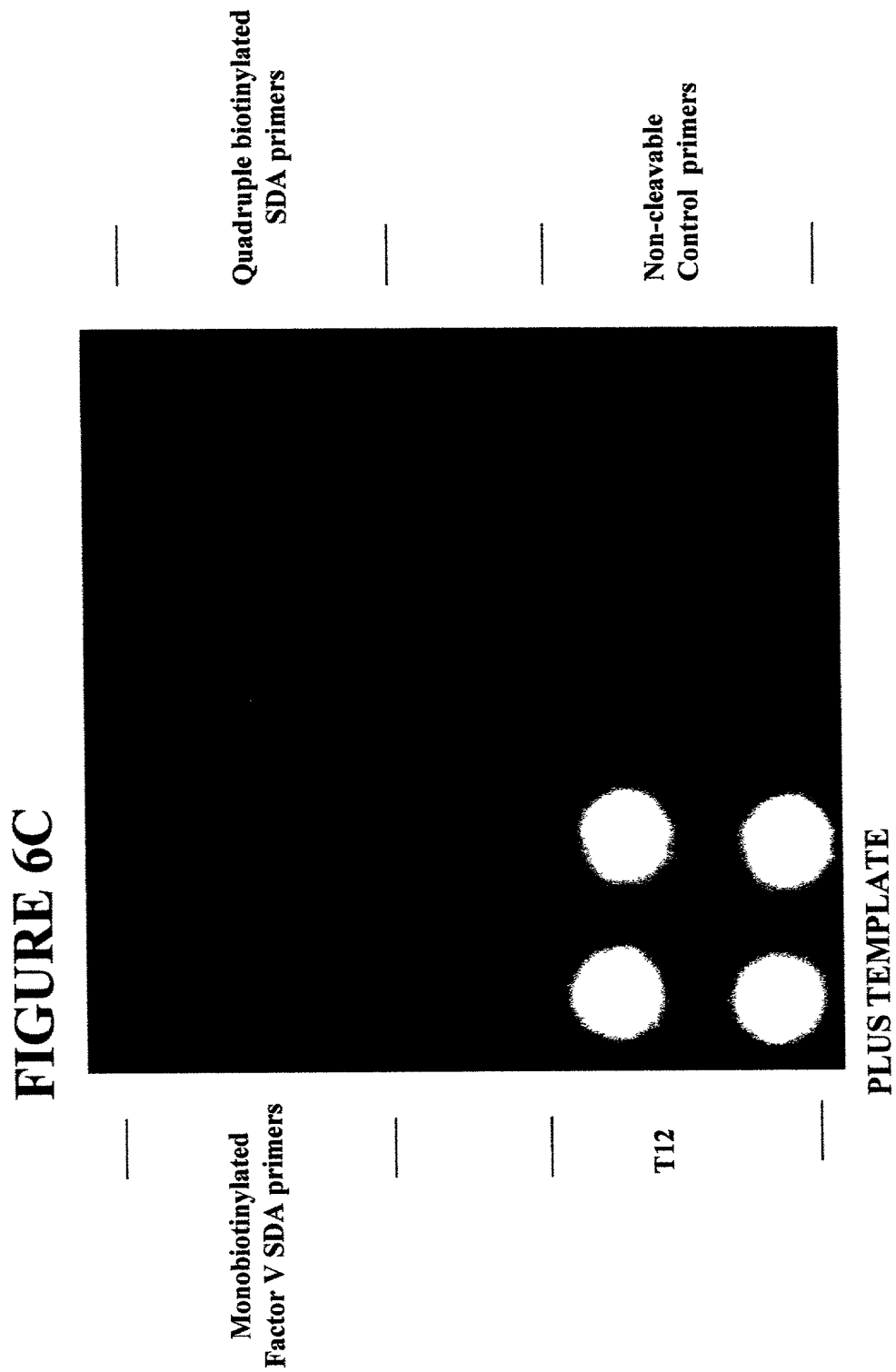
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## FIGURE 6B



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HUMAN COAGULATION FACTOR V ANCHORED SDA IN SITU  
ON MICROCHIPS

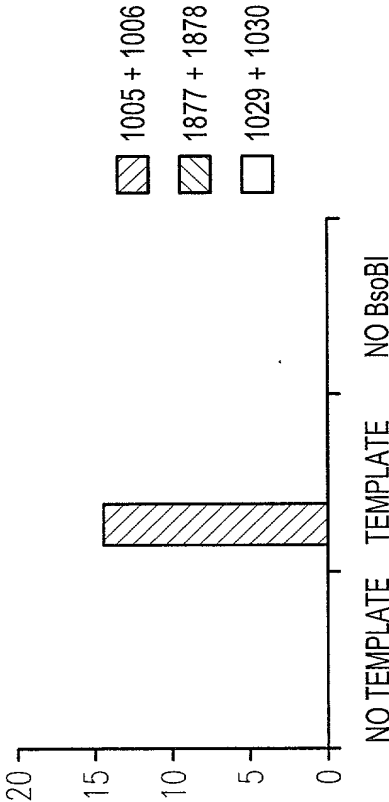
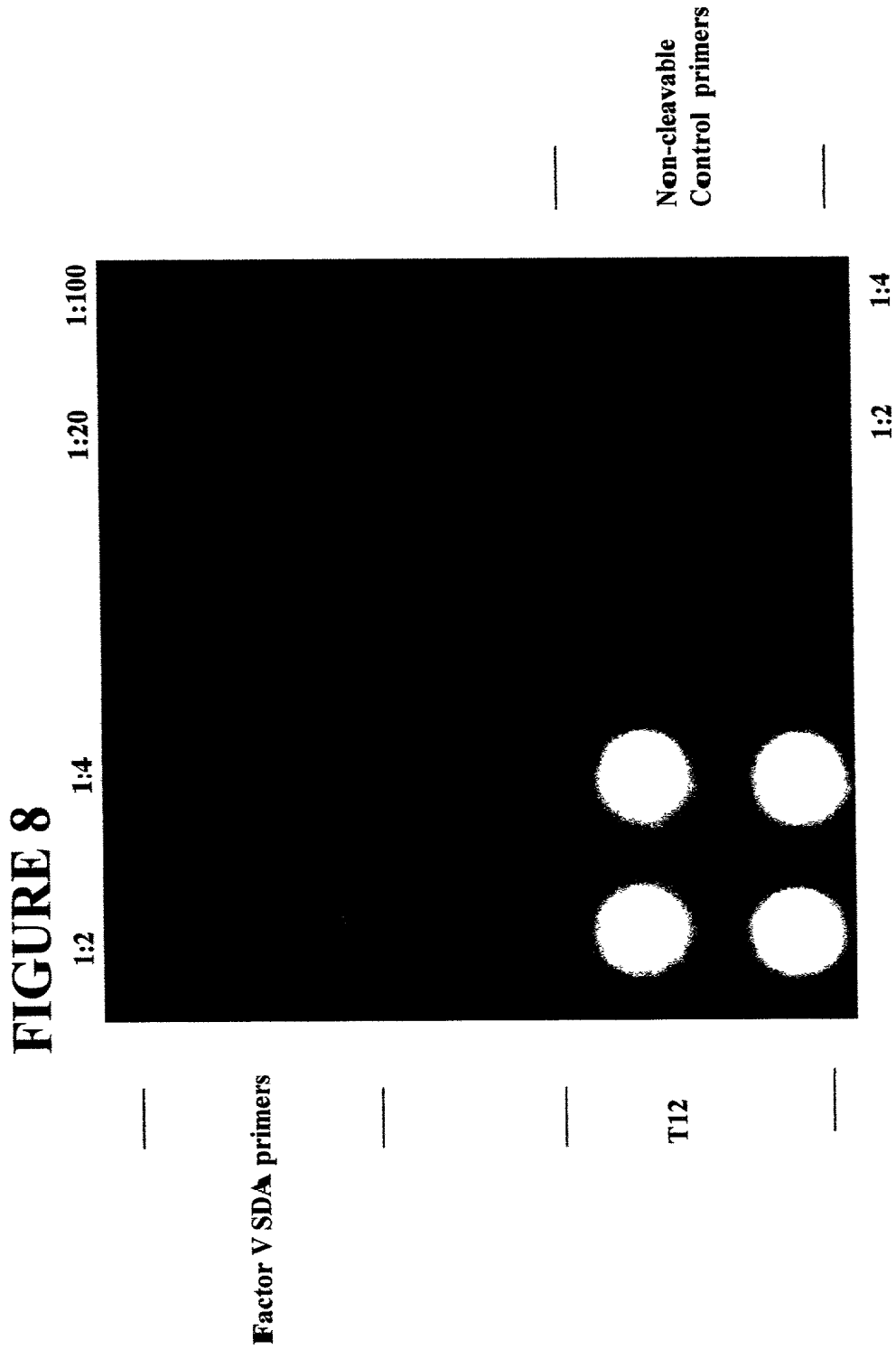


FIG. 7

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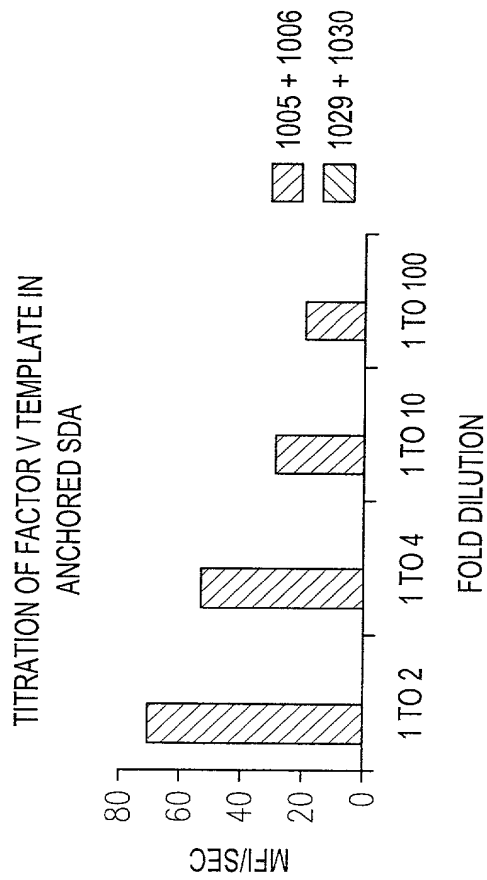


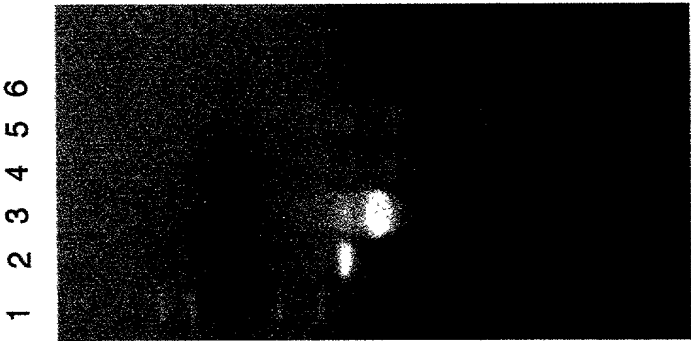
FIG. 9

1005 + 1006 = FACTOR V SDA PRIMERS  
1029 + 1030 = NON-CLEAVABLE CONTROL PRIMERS

10600T\*58942660

- Lane
- 1. mol wt markers
  - 2. PCR amplification
  - 3. NASBA 1X template
  - 4. NASBA 1,000X diluted template
  - 5. NASBA 1,000,000X diluted template
  - 6. NASBA - no template

FIGURE 10A



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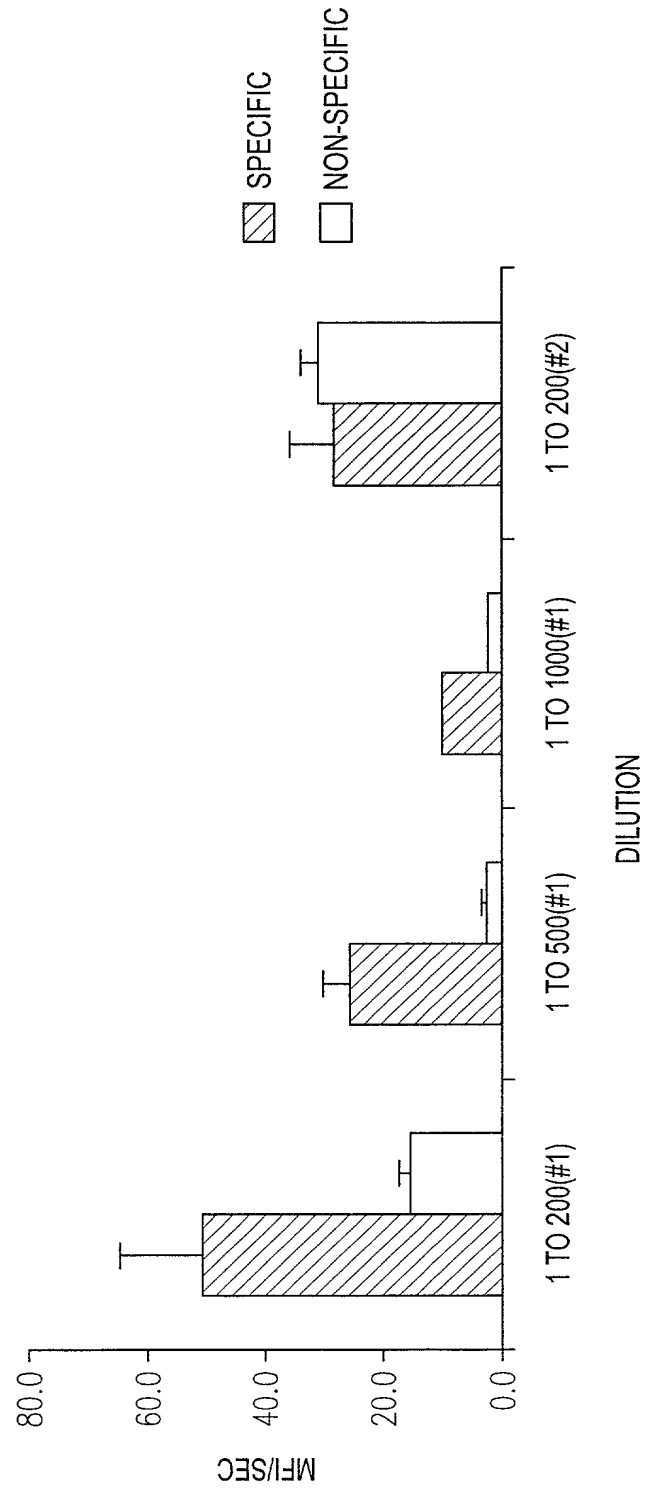


FIG. 10B

T0600T" 58942650

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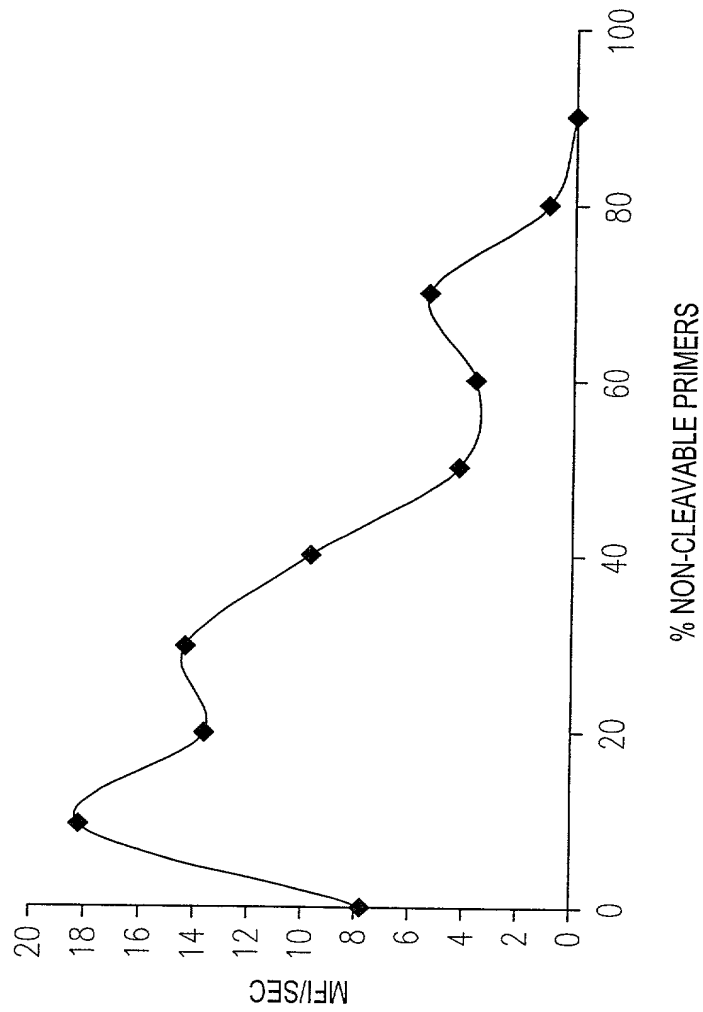


FIG. 11

T0600T" 58942650

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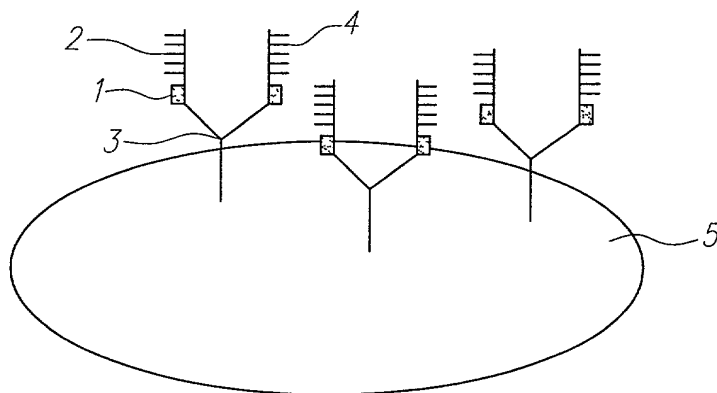


FIG. 12

T060T 58942660

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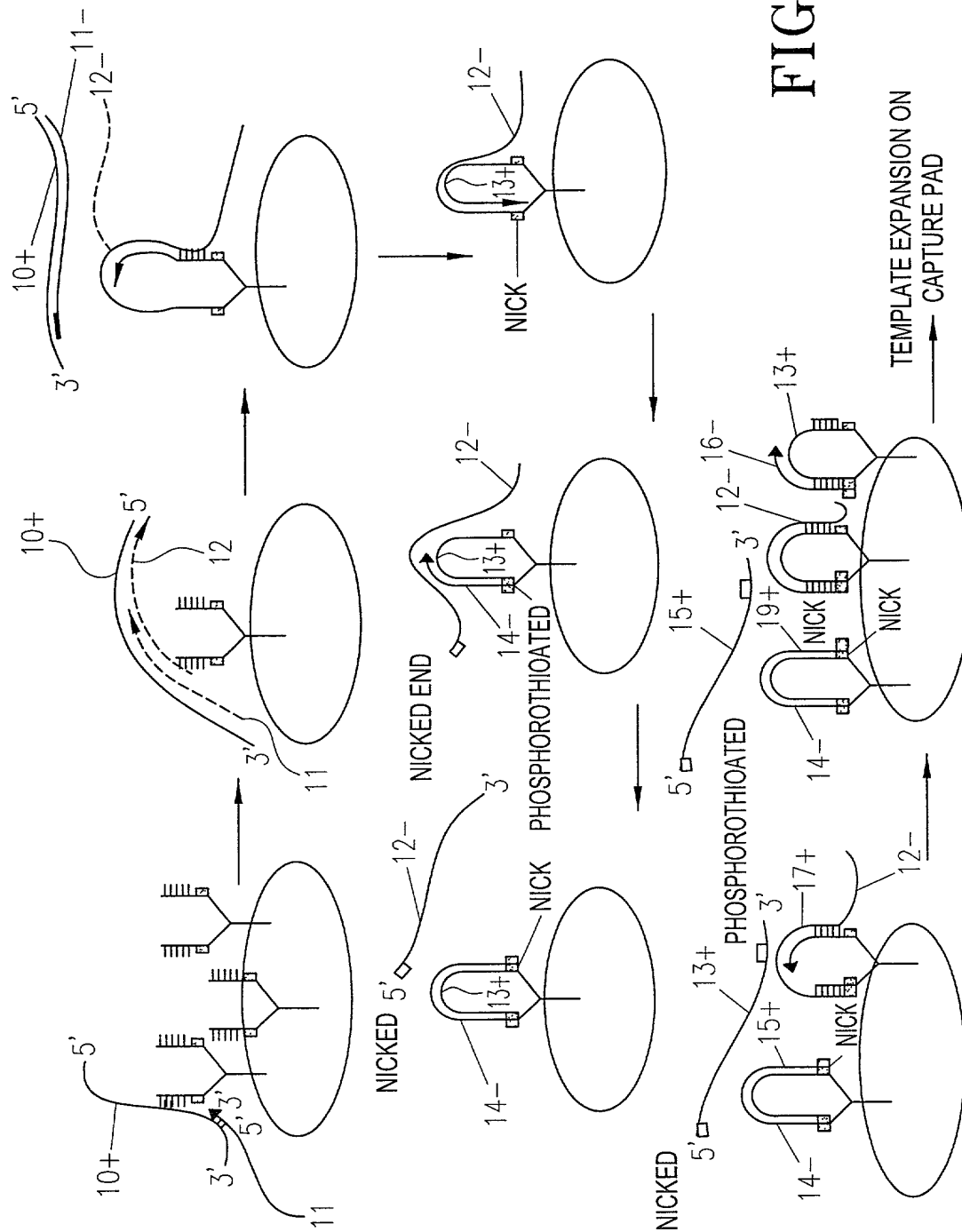
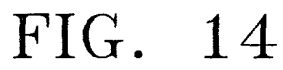


FIG. 13



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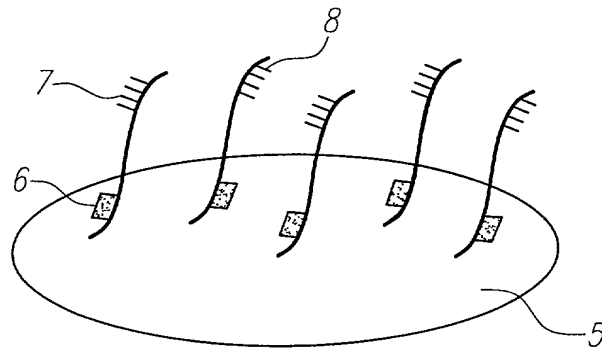


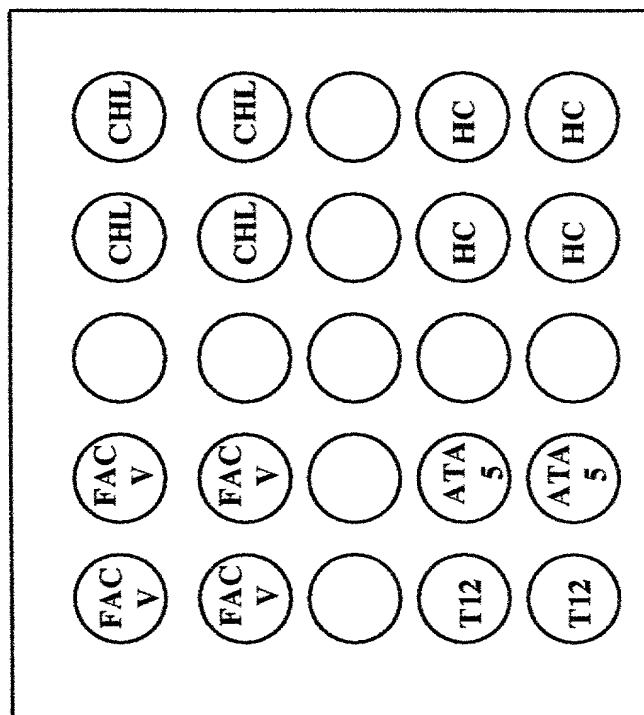
FIG. 15





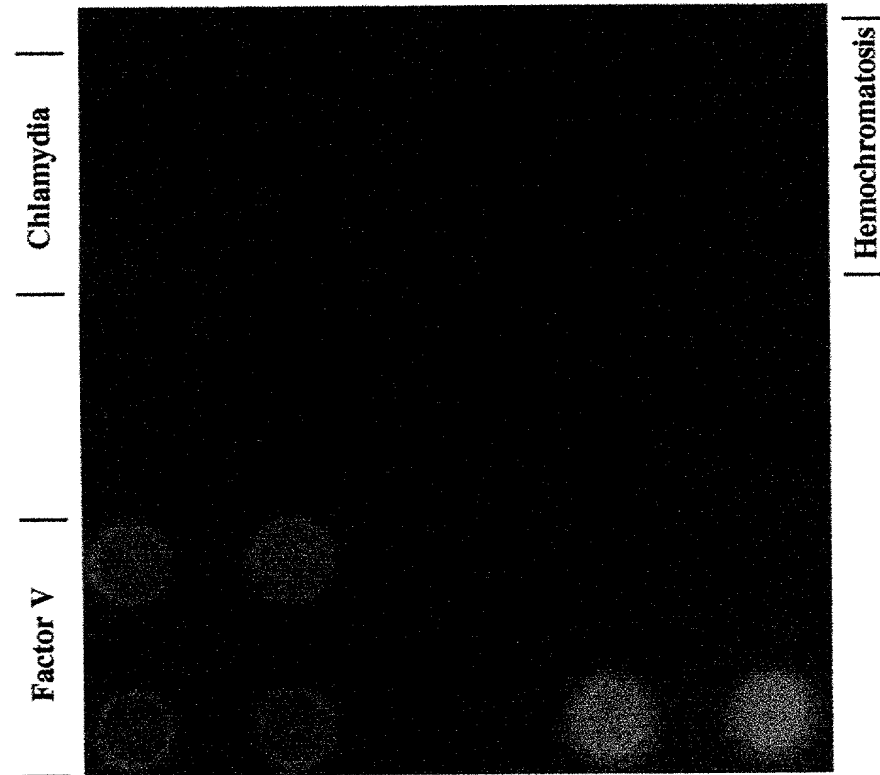
**Control - No template +  
all reporter oligos**

## FIGURE 16



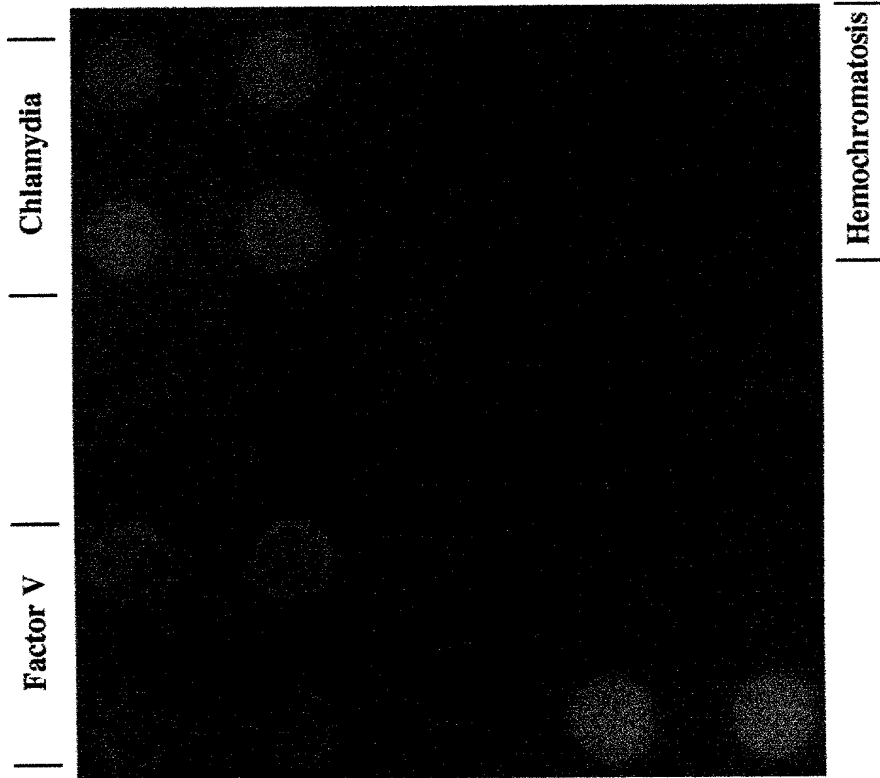
## Experimental Layout

**FIGURE 18**



**All templates + Factor V Reporter oligo**

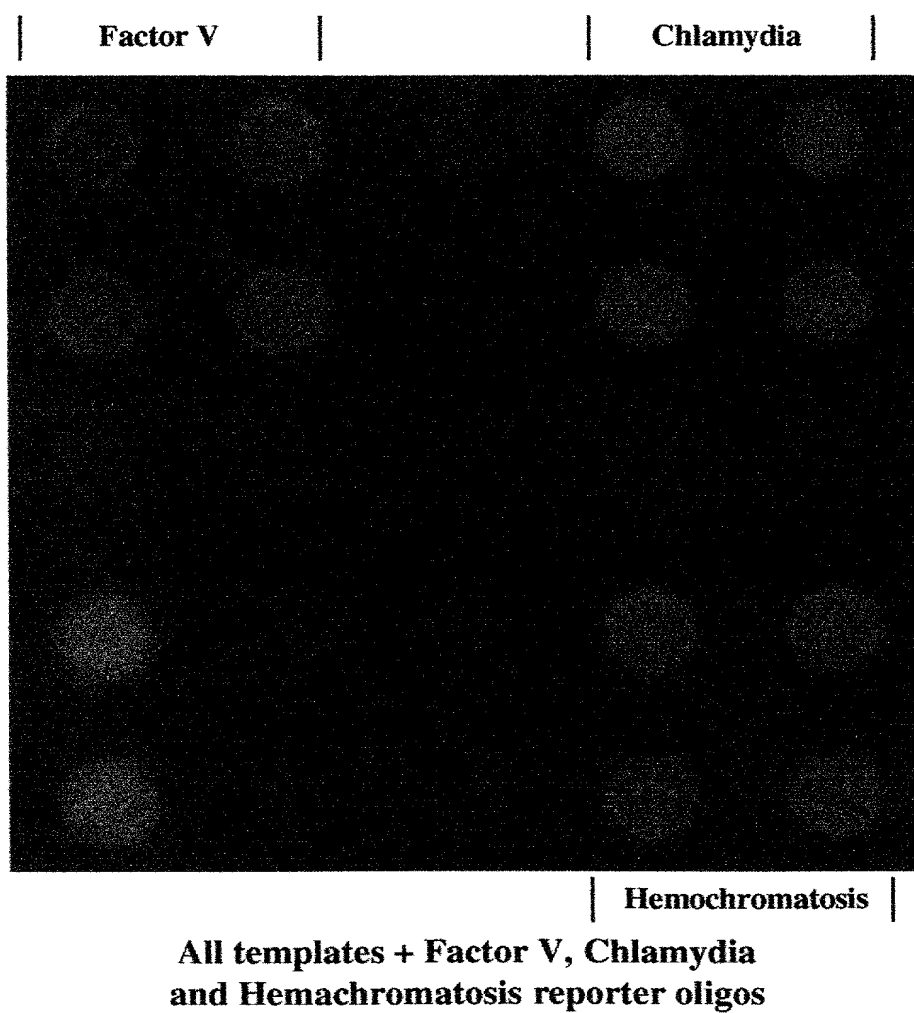
**FIGURE 19**



**All templates + Factor V, Chlamydia  
Reporter Oligos**

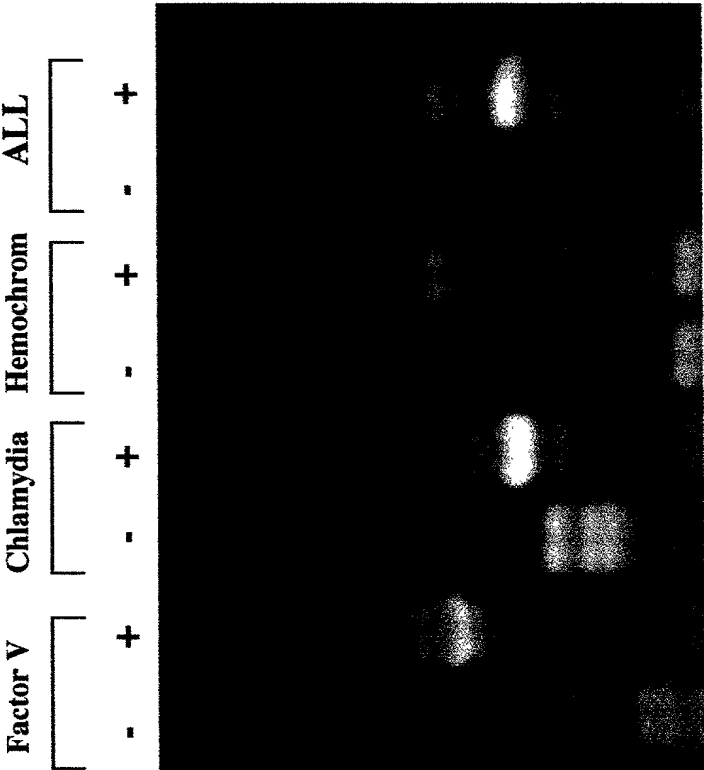
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## FIGURE 20



T0600T" 58942660

FIGURE 21



Control Solution SDA reactions

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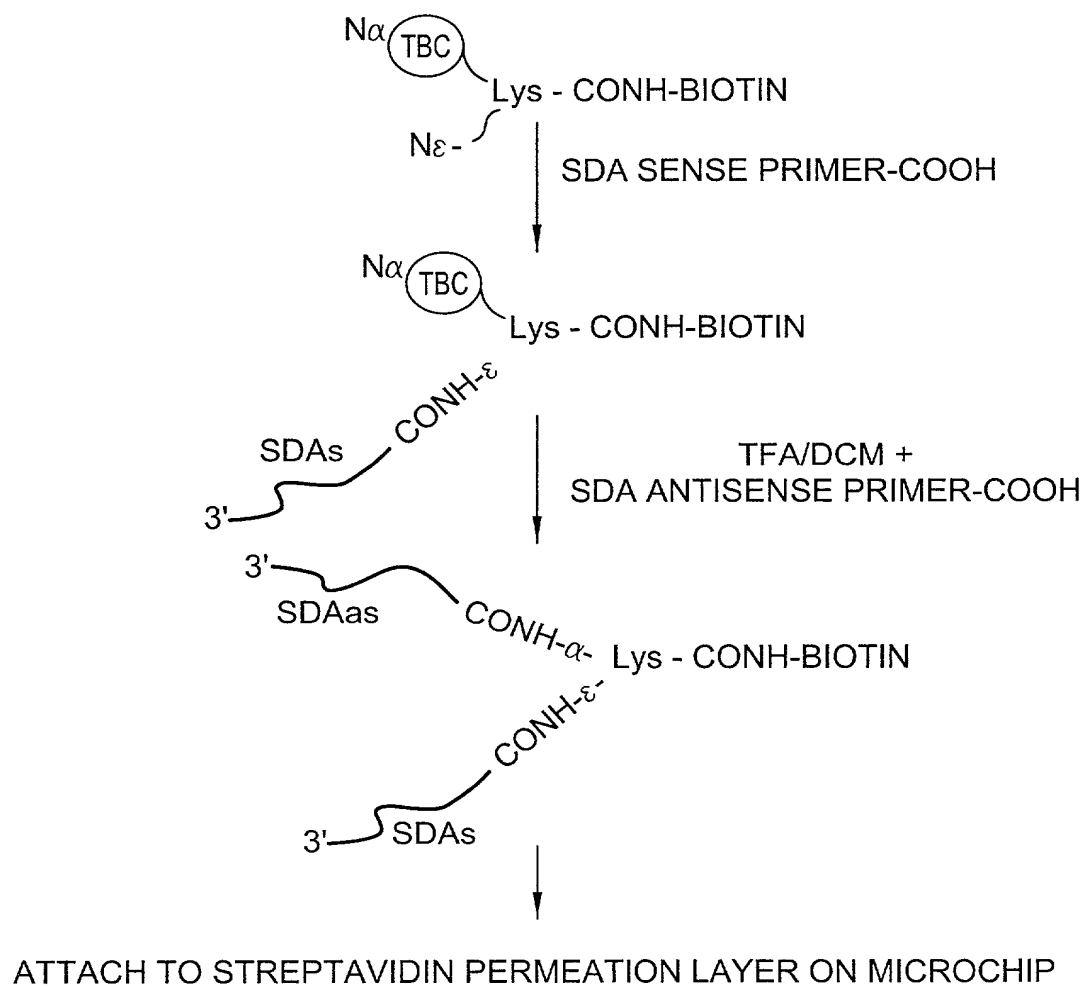


FIG. 22

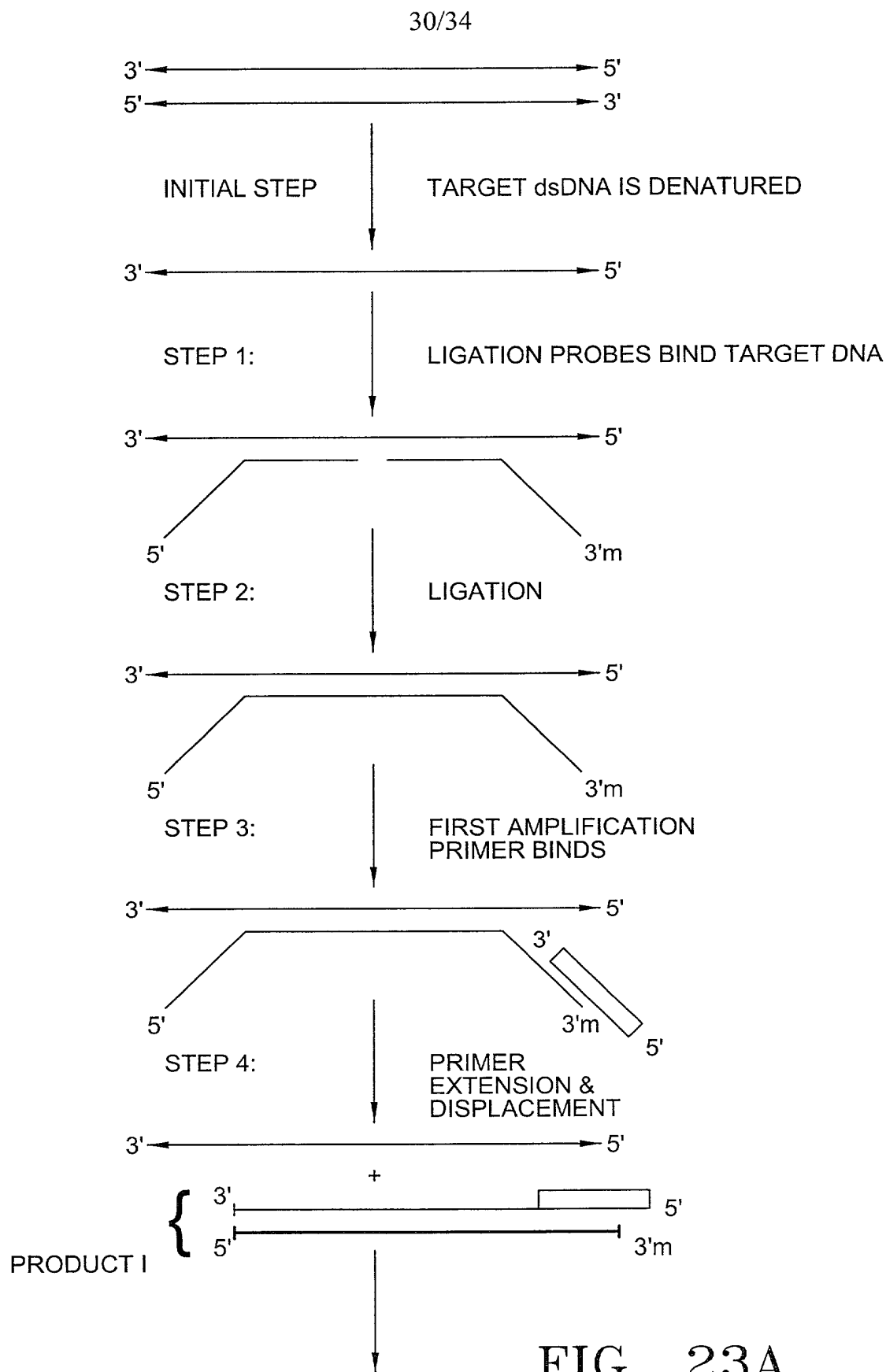


FIG. 23A

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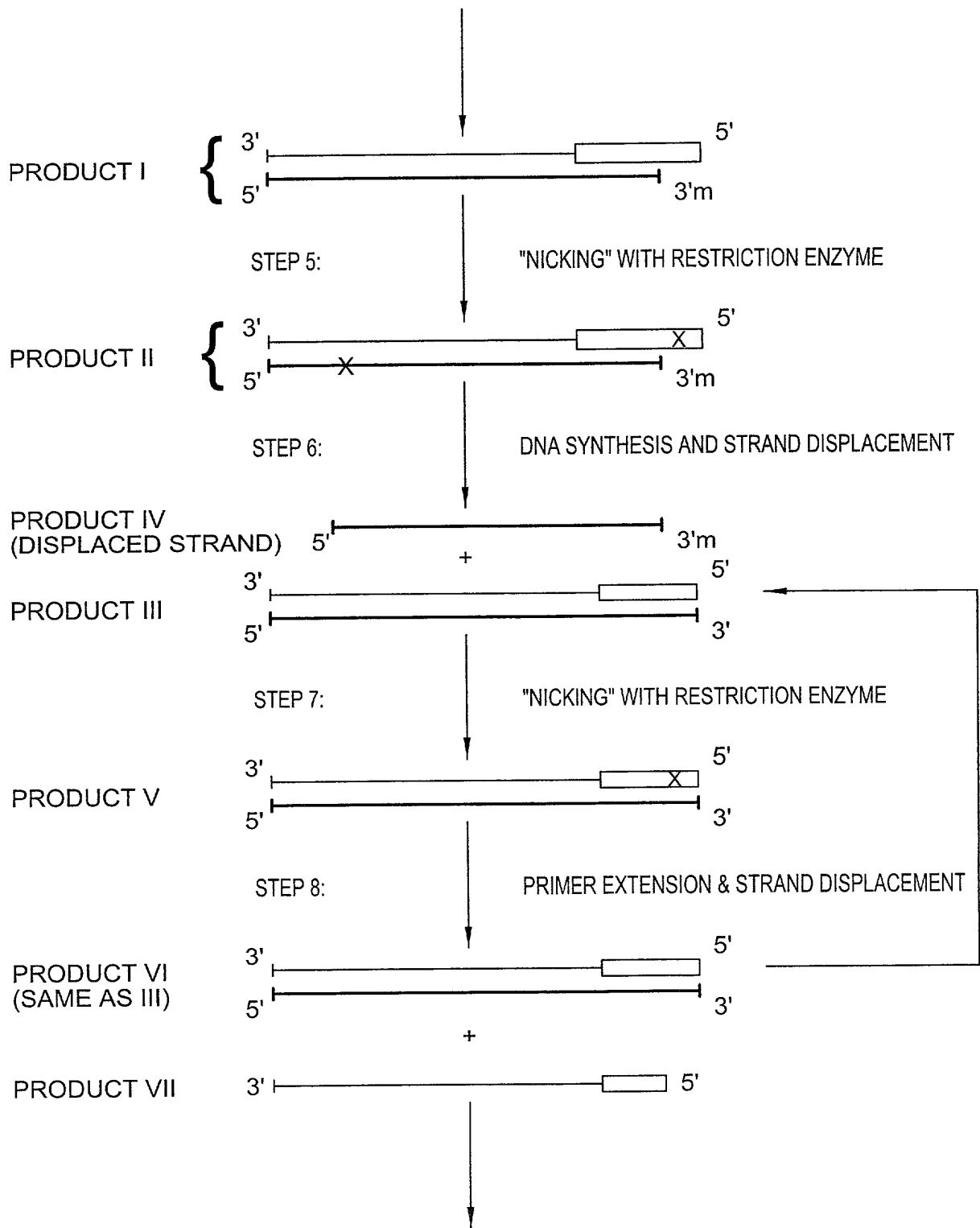
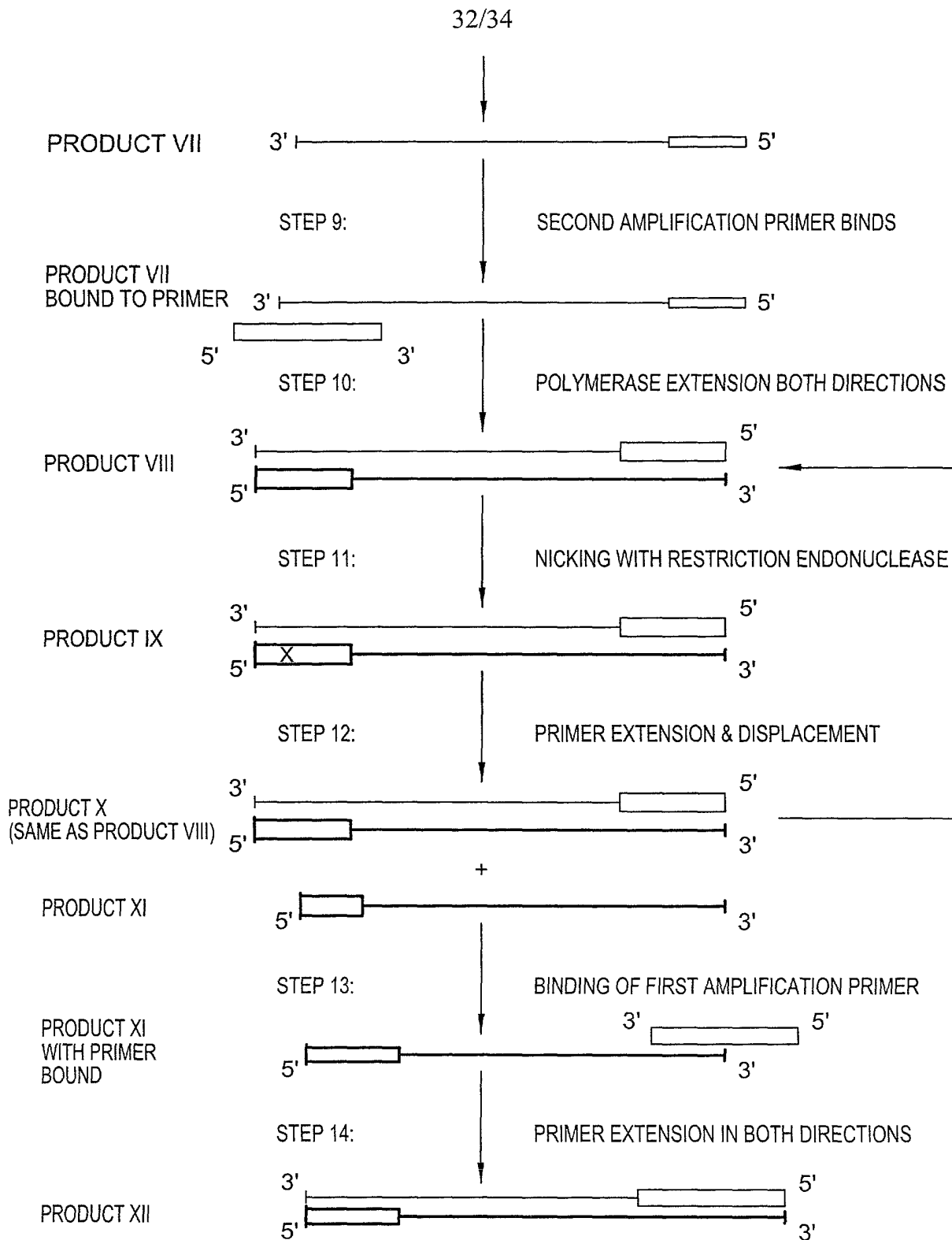


FIG. 23B



(PRODUCT XII CAN RE-ENTER PATHWAY AND BE FURTHER AMPLIFIED IN A MANNER SIMILAR TO PRODUCT III, FOLLOWING STEP 6)

FIG. 23C



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# LIGATION-DEPENDENT DETECTION OF THE SALMONELLA spaQ GENE

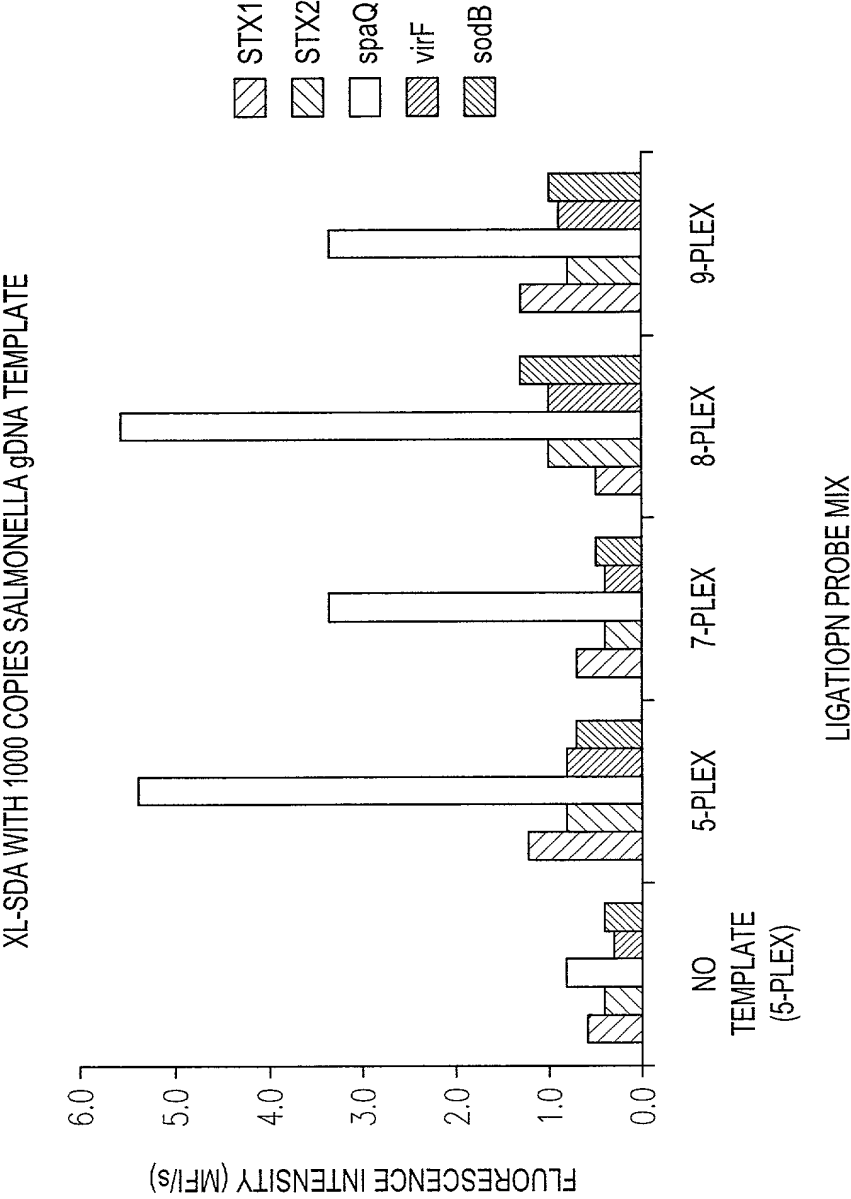
## LIGATION PROBES LP1 AND LP2:

spaQ<sup>1</sup> TEMPLATE 5-nnnnncaacatgacatcattacgagacgggatatgtaaatggatgatttagtgnnnnn-3'  
|||||  
LP1<sup>2</sup> 3-\*aattcogcatgagctgggtaatgtgtactgtagtaatgctctgc\*-5' 3'-cctatcaatttacctactaaatcacgattatccccctagatgcatgtggctc LP2<sup>3</sup>  
ttcagacctcgcccttagc-5'

## AMPLIFICATION PRIMER SEQUENCES S1 AND S2:

LP1 3-\*aattccgcatgagctgggtaatgtgtactgtagtaatgctctgc\*-5'  
|||||  
S1<sup>4</sup> 5'-accgcatcgaatgcatgtctcgggtaaggcgctactcgacc  
LP2 3'-cctatcaatttacctactaaatcacgattatccccctagatgcatgtggctc ttcagacctcgcccttagc-5'  
|-----S2<sup>5</sup>-----|

FIG. 23D



ELECTRONIC HYBRIDIZATION USING MICROELECTRODE ARRAY OF XL-SDA REACTIONS WITH SALMONELLA GENOMIC DNA AT 1000

FIG. 24